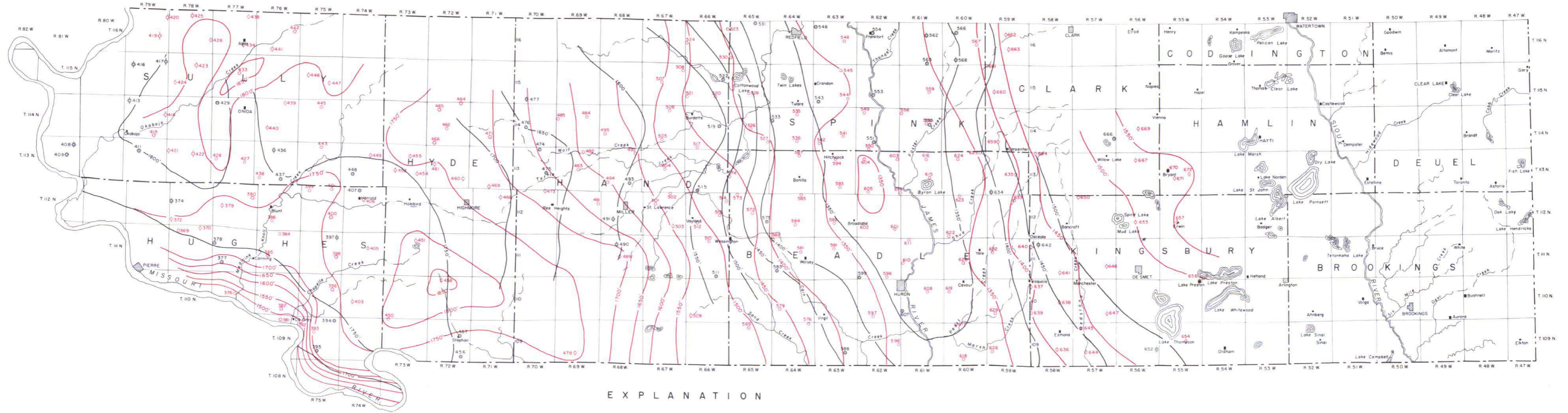


# PIEZOMETRIC MAP

## OF EAST CENTRAL SOUTH DAKOTA



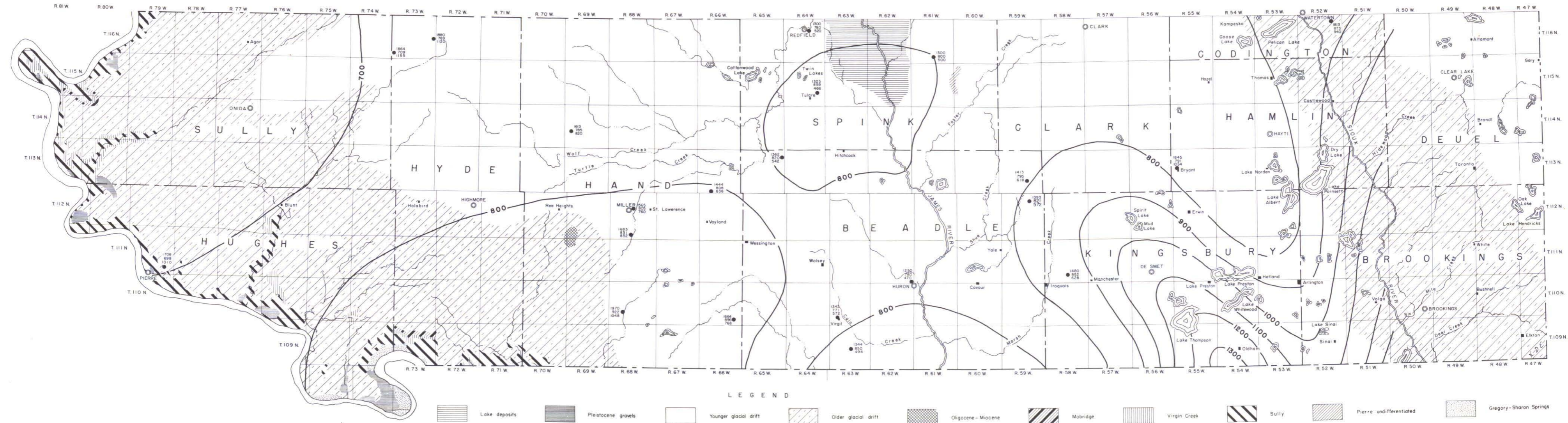
### EXPLANATION

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li> Height of static column of water in Lakota formation<br/>Datum sea level<br/>Contour interval 50 feet</li> <li> Pumped artesian well from the Lakota formation</li> <li> Flowing artesian well from the Lakota formation</li> <li> Pumped or flowing artesian well containing gas</li> <li> Number of well refers to table in text</li> </ul> | <ul style="list-style-type: none"> <li> Height of static column of water in Dakota formation<br/>Datum sea level<br/>Contour interval 50 feet</li> <li> Pumped artesian well from the Dakota formation</li> <li> Flowing artesian well from the Dakota formation</li> <li> Pumped or flowing artesian well containing gas</li> <li> Number of well refers to table in text</li> </ul> |
|---|---|

Horizontal Scale  
  
 STATE GEOLOGICAL SURVEY  
 Vermillion, South Dakota  
 Compiled and Drafted by H.D. Erickson  
 1953

# GEOLOGIC MAP

## OF EAST CENTRAL SOUTH DAKOTA



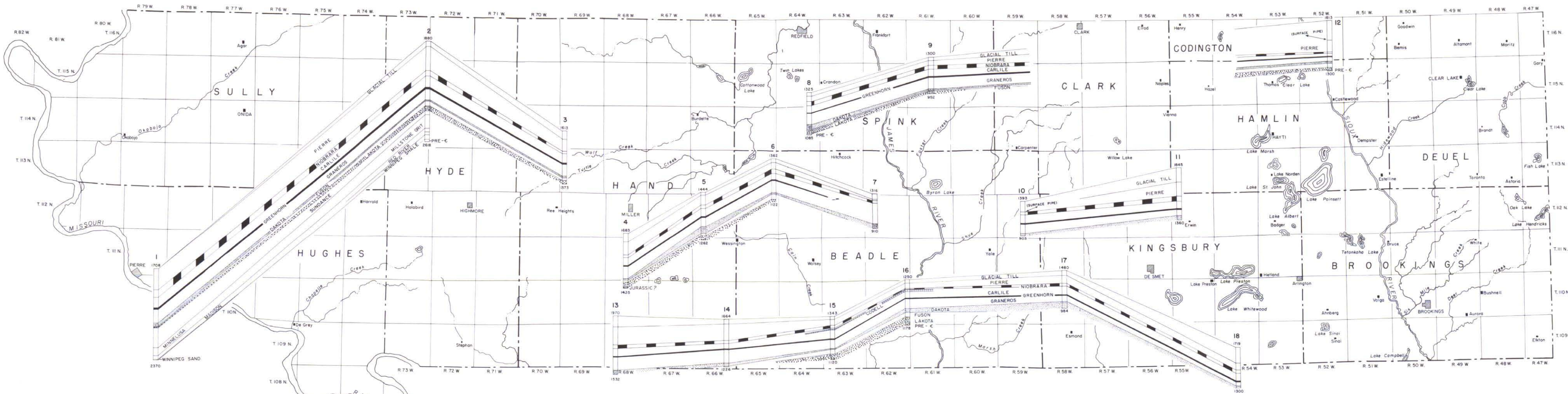
Contours show the altitude above sea level on the top of the Greenhorn limestone  
 ● Well borings, see panel diagram for location  
 1344 Altitude of ground at well  
 850 Altitude on top of Greenhorn  
 494 Depth to Greenhorn  
 Data taken from sample studies and electric logs

Horizontal Scale  
 0 6 12 Miles  
 STATE GEOLOGICAL SURVEY  
 Vermillion, South Dakota  
 1953

Wells drilled by:  
 Huron Drilling Company      Huron, S.D.  
 Bureau of Reclamation      Huron, S.D.  
 Omaha Drilling Company      Omaha, Nebr.  
 Norbeck Drilling Company      Redfield, S.D.

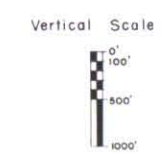
# PANEL DIAGRAM

## OF SUBSURFACE FORMATIONS OF EAST CENTRAL SOUTH DAKOTA



THIS MAP DOES NOT SHOW ROCK STRUCTURE, BUT MERELY FORMATION THICKNESSES AND CORRELATIONS BETWEEN BORINGS.

NO.	BORING	DRILLED BY	COUNTY	LOCATION	ALTITUDE	DEPTH	NO.	BORING	DRILLED BY	COUNTY	LOCATION	ALTITUDE	DEPTH
1.	Pierre Airport #1	U. S. Government	Hughes	ne 35 111 79	1708'	2370'	10.	Glanzer	Huron Drlg. Co.	Beadle	se 3 112 59	1393'	903'
2.	Hunt School-Land#2	Omaha Drlg. Co.	Hyde	ne 24 116 75	1880	2618	11.	Bryant City Well	"	Hamlin	se 17 113 55	1845	1360
3.	Steploe	Huron Drlg. Co.	Hand	se 19 114 69	1613	1373	12.	Bureau of Rec.	Bureau of Rec.	Codington	sw 3 116 52	1813	1300
4.	Oleson	"	"	se 33 112 68	1683	1435	13.	Sheldon - Reese	Huron Drlg. Co.	Hand	ne 29 110 68	1970	1532
5.	Snodgrass	"	"	se 32 113 66	1444	1262	14.	Palmer	"	"	ne 35 110 66	1664	1226
6.	Zybell	"	Beadle	ne 12 113 65	1362	1122	15.	Virgil City Well	"	Beadle	ne 32 110 63	1343	1120
7.	Tschetter	"	"	se 32 113 62	1316	910	16.	State Fair Grounds	Ind Drlg. Co.	"	se 36 111 62	1250	1178
8.	Schmidt	"	Spink	ne 26 115 64	1325	1085	17.	Cadwell	Huron Drlg. Co.	Kingsbury	sw 27 111 58	1480	984
9.	Wurz	"	"	nw 34 116 61	1300	952	18.	Oldham City Well	Kuborn Drlg. Co.	"	sw 22 109 54	1719	1300



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